

WHAT IS CLAIMED IS:

1. A locking device, comprising:

a housing;

a base mounted in the housing and having an upper portion formed
5 with an upper receiving space, a through hole located beside the upper
receiving space, a locking hole located beside the upper receiving space, and a
receiving hole located between the through hole and the locking hole for
mounting a locking core, the base having a mediate portion formed with a
transverse guide slot and having a lower portion formed with a lower receiving
10 space having a backside formed with a battery seat;

an electromagnetic sensor mounted in the lower receiving space of
the base to connect an electromagnetic valve mounted in the upper receiving
space of the base, the electromagnetic sensor detecting electromagnetic waves
to drive the electromagnetic valve which drives a protruding locking pin to
15 retract into the electromagnetic valve;

a locking hook having a bent mediate portion and having a first end
extended into the through hole of the base and urged on a first elastic member
and a second end formed with a locking recess inserted into the locking hole of
the base;

20 a locking mechanism including a locking bolt, and a linking member;

the locking bolt having a first side formed with a wedge-shaped
locking lug and a second side formed with a stub for mounting a second elastic

member which urges the locking lug to extend into the locking hole of the base, the locking bolt having an upper portion formed with an opening located between the locking lug and the stub and a lower portion formed with a vertical stop located between the locking lug and the stub, the stop of the locking bolt
5 being moved transversely by the locking core;

the linking member being mounted in the guide slot of the base, the linking member having a mediate portion formed with a support passing through the opening of the locking bolt, the support having a distal end formed with a side plate located above the electromagnetic valve, the side plate being
10 formed with a locking hole aligning with the locking pin of the electromagnetic valve; and

a key having a first end formed with a mechanical unlocking portion inserted into the locking core to drive the locking bolt, thereby detaching the locking lug of the locking bolt from the locking recess of the locking hook, the
15 key having a second end formed with an electromagnetic unlocking portion electromagnetically connected to the electromagnetic sensor which drives the electromagnetic valve which drives the protruding locking pin to retract into the electromagnetic valve and to detach from the locking hole of the locking bolt, so that the linking member can be pushed to slide in the guide slot of the
20 base, and the support of the linking member is moved in the opening of the locking bolt to move the locking bolt, thereby detaching the locking lug of the locking bolt from the locking recess of the locking hook.

2. The locking device in accordance with claim 1, wherein the support of the linking member has a width smaller than that of the opening of the locking bolt.

3. The locking device in accordance with claim 1, wherein the
5 support of the linking member is rested on a side of the stub.

4. The locking device in accordance with claim 1, wherein the locking core has an end formed with a lug, and the stop of the locking bolt is rested on the lug of the locking core.

5. The locking device in accordance with claim 1, wherein the
10 receiving hole of the base has a bottom formed with a passage hole, the locking core has an end formed with a key hole communicating with the passage hole of the base.

6. The locking device in accordance with claim 5, wherein the mechanical unlocking portion of the key is inserted into the key hole of the
15 locking core.

7. The locking device in accordance with claim 1, wherein the housing includes an inner casing and an outer casing mounted on the inner casing.

8. The locking device in accordance with claim 7, wherein the inner
20 casing has a side formed with an opening for receiving the base.

9. The locking device in accordance with claim 7, wherein the inner casing has a side formed with a hollow aligning with the electromagnetic sensor.

10. The locking device in accordance with claim 7, wherein the inner casing has a top formed with a first through hole aligning with the through hole of the base and a second through hole aligning with the locking hole of the base.

11. The locking device in accordance with claim 10, wherein the inner casing has an inside formed with a receiving hole located below the first through hole for receiving the first elastic member.

12. The locking device in accordance with claim 7, wherein the outer casing has a side formed with a hollow aligning with the battery seat of the base.

13. The locking device in accordance with claim 12, wherein the housing further includes a side cover mounted in the hollow of the outer casing.

14. The locking device in accordance with claim 7, wherein the receiving hole of the base has a bottom formed with a passage hole, the locking core has an end formed with a key hole communicating with the passage hole of the base, and the outer casing has a side formed with a through hole aligning with the passage hole of the base.

15. The locking device in accordance with claim 7, wherein the inner casing has a side formed with a slot, the outer casing has a side formed with a slot aligning with the slot of the inner casing, and the linking member has a side protrusion extended through the slot of the inner casing and the slot of the outer casing and inserted into a recess of a drive plate which is slidably mounted on the outer casing, so that the linking member is moved by the drive plate.

16. The locking device in accordance with claim 1, wherein the key is mounted on a protective card.

17. The locking device in accordance with claim 1, wherein the first end of the locking hook is formed with a reduced shaft having a distal end formed with an enlarged catch.

18. The locking device in accordance with claim 17, wherein the shaft of the locking hook is extended into the through hole of the base and is urged on the first elastic member.

19. The locking device in accordance with claim 18, wherein the through hole of the base is formed with a reduced catch for stopping the enlarged catch of the locking hook, to prevent the shaft of the locking hook from detaching from the through hole of the base.

20. The locking device in accordance with claim 1, wherein when the second end of the locking hook is inserted into the locking hole of the base, the

locking lug of the locking bolt is locked in the locking recess of the locking hook.